SEQUENCE LISTING

<110> Shultz, John W
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<120> EXOGENOUS NUCLEIC ACID DETECTION

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<140> NOT YET ASSIGNED
<141> 1999-09-27

<150> 09/252,436
<151> 1999-02-18

<150> 09/042,287
<151> 1998-03-13

<160> 92

<170> PatentIn Ver. 2.0

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ggtagaagcg agct 74

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<211> 74

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<213> mutant Cytomegalovirus

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cgcttctacc acgaatgctc gcagatcatg ctgcacgaat acgtcagaaa gaacgtggag 60

cgtctgttgg agct 74

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gttttacttc 70

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<211> 30

<212> DNA

<213> Listeria

<400> 11

gcaactacac ctgcgcctaa agtagcagaa 30

<210> 12

<211> 30

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<400> 12

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<210> 13

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agaaacacca 70

<210> 14

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<213> Listeria

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<210> 15

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<213> Listeria

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ctcggagact tacgagatat tttgaaaaaa 30

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<211> 60

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<213> Salmonella

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ggtgacaaag gcaggttcag tgacggtgat ttctttcatt acacaggctc cggaattaaa 60

<210> 19

<211> 30

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<210> 20

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<213> Salmonella

<400> 20

ttcagtgacg gtgatttctt tcattacaca 30

<210> 21

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<212> DNA

<213> kanamycin RNA oligo

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gcaacgctac ctttgccatg tttc 24

<210> 22

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PROBE FOR KANAMYCIN RNA, ALTERED AT 3' TERMINUS

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gcaacgctac ctttgccatg tttg 24

<210> 23

<211> 24

<212> DNA

<213> Artificial Sequence

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<210> 24

<211> 24

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<210> 25

<211> 30

<212> DNA

<213> rabbit

<400> 25

atggtgcatc tgtccagtga ggagaagtct 30

<210> 26

<211> 30

<212> DNA

<213> rabbit

<400> 26

agacttctcc tcactggaca gatgcaccat 30

<210> 27

<211> 26

<212> DNA

<213> rabbit

<400> 27

gctgctggtt gtctacccat ggaccc 26

<210> 28

<211> 26

<212> DNA

<213> rabbit

<400> 28

gggtccatgg gtagacaacc agcagc 26

<210> 29

<211> 30

<212> DNA

<213> Escherichia coli

<400> 29

cagtcacgac gttgtaaaac gacggccagt 30

<210> 30

<211> 30

<212> DNA

<213> Escherichia coli

<400> 30

actggccgtc gttttacaac gtcgtgactg 30

<210> 31

<211> 75

<212> DNA

<213> Campylobacter jejuni

<400> 31

cttgaagcat agttcttgtt tttaaacttt gtccatcttg agccgcttga gttgagttgc 60

cttagtttta atagt 75

<210> 32

<211> 30

<212> DNA

<213> Campylobacter jejuni

<400> 32

agttcttgtt tttaaacttt gtccatcttg 30

<210> 33

<211> 70

<212> DNA

<213> Campylobacter jejuni

<400> 33

actattaaaa ctaaggcaac tcaagcggct caagatggac aaagtttaaa aacaagaact 60

atgcttcaag 70

<210> 34

<211> 30

<212> DNA

<213> Campylobacter jejuni

<400> 34

caagatggac aaagtttaaa aacaagaact 30

<210> 35

<211> 21

<212> DNA

<213> Cytomegalovirus

<400> 35

cactttgata ttacacccat g 21

<210> 36

<211> 21

<212> DNA

<213> Cytomegalovirus

<400> 36

cactttgata ttacacccgt g 21

<210> 37

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 37

cgtgtatgcc actttgatat tacacccatg aacgtgctca tcgacgtgaa cccgcacaac 60

gagct 65

<210> 38

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 38

cgttgtgcgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 39

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 39

cgtgtatgcc actttgatat tacacccgtg aacgtgctca tcgacgtgaa cccgcacaac 60

gagct 65

<210> 40

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 40

cgttgtgcgg gttcacgtcg atgagcacgt tcacgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 41

<211> 26

<212> DNA

<213> Cytomegalovirus

<400> 41

tcacacagga aacagctatg accatg 26

<210> 42

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: M13 FORWARD PROBE

<400> 42

gcaaggcgat taagttgggt aacg 24

<210> 43

<211> 40

<212> DNA

<213> Hepatitis C virus

<400> 43

ctgctagccg agtagtgttg ggtcgcgaaa ggccttgtgg 40

<210> 44

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: 35S PROMOTER PCR PRIMER

<400> 44

gatagtggga ttgtgcgtca 20

<210> 45

<211> 19

<212> DNA

<213> Artificial Sequence

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<210> 46

<211> 20

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<223> Description of Artificial Sequence: NOS TERMINATOR

<400> 46

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<210> 47

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: NOS TERMINATOE
PCR PRIMER

<400> 47

gaatcctgct gccggtcttg 20

<210> 48

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 35S PROBE

<400> 48

gcaagtggat tgatg 15

<210> 49

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 35S PROBE

<400> 49

ccaaccacgt cttcaaa 17

<210> 50

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NOS PROBE

<400> 50

tttatgagat gggttt 16

<210> 51

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NOS probe

<400> 51

atgattagag tcccg 15

<210> 52

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 52

ccatttagta ctgtct 16

<210> 53

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 53

ccatttagta ctgttt 16

<210> 54

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 54

ctagttttct ccattt 16

<210> 55

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 55

ctagttttct ccatct 16

<210> 56

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 56

ttctctgaaa tctact 16

<210> 57

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 57

ttctctgaaa tctatt 16

<210> 58

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 58

aaaaaagaca gtactaaatg gagaaaacta gtagatttca gagaacttaa 50

<210> 59

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 59

aaaaaaaaca gtactaaatg gagaaaacta gtagatttca gagaacttaa 50

<210> 60

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 60

aaaaaagaca gtactagatg gagaaaacta gtagatttca gagaacttaa 50

<210> 61

<211> 50

<212> DNA

<213> Human immunodeficiency virus

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<210> 62

<211> 11

<212> DNA

<213> Human immunodeficiency virus

<400> 62

agtgactggg g 11

<210> 63

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

<400> 63

atgaacgtac gtcggatgag cacgttcat 29

<210> 64

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

<400> 64

gtgaacgtac gtcggatgag cacgttcat 29

<210> 65

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

<400> 65

ataaacgtac gtcggatgag cacgttcat 29

<210> 66

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

<400> 66

ataaacgtac gtcggatgag cacg 24

<210> 67

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic target sequence

<400> 67

cccggagaga cctccttaag gggccatatt atttcgtcga ttccagtgtt ggccaaacgg 60

at 62

<210> 68

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic target sequence

<400> 68

ggggccatat tatttcgccg tttggccaac actggaatcg a 41

<210> 69

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic target sequence

<400> 69

ggggccatat tatttcgccg tttggccaac actggaatcg acgaaataat atggcccctt 60

aaggaggtct ctccggg 77

<210> 70

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic target sequence

<400> 70

cccggagaga cctcct 16

<210> 71

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic target sequence

<400> 71

cccggagaga cctccttaag gggccatatt atttcgtcga ttccagtgtt ggccaaacgg 60

cgaaataata tggcccc 77

<210> 72

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 72

cgtgtatgcc actttgatat tacacccatg aacgtgctca tcgacgtcaa cccgcacaac 60

gagct 65

<210> 73

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 73

cgttgtgcgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 74

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 74

cgtgtatgcc actttgatat tacacccgtg aacgtgctca tcgacgtcaa cccgcacaac 60

gagct 65

<210> 75

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 75

cgttgtgcgg gttcacgtcg atgagcacgt tcacgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 76

<211> 89

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe to wild-type targets 10870 and 10994

<400> 76

gaactatatt gtctttctct gattctgact cgtcatgtct cagctttagt ttaatacgac 60

tcactatagg gctcagtgtg attccacct 89

<210> 77

<211> 53

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: wild-type target

<400> 77

ttgcagagaa agacaatata gttcttggag aaggtggaat cacactgagt gga 53

<210> 78

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: mutant target

<400> 78

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<210> 79

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe which hydridizes to only to wild-type target

<400> 79

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<210> 80

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which hydridizes only to mutant target

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<210> 81

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which hydridizes to 10870 and 10994

<400> 81

ctaaagctga gacatgacga gtc 23

<210> 82

<211> 65

<212> DNA

<213> Cytomegalovirus

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cgttgtgcgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 83

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 83

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gagct 65

<210> 84

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 84

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gagct 65

<210> 85

<211> 24

<212> DNA

<213> kanamycin

<400> 85

gcaacgctac ctttgccatg tttc 24

<210> 86

<211> 12

<212> DNA

<213> Homo sapiens

<400> 86

ccagacgcct ca 12

<210> 87

<211> 12

<212> DNA

<213> Homo sapiens

<400> 87

accttcacgc ca 12

<210> 88

<211> 11

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism:common probe to cytochrome B

<400> 88

tgccgagacg t 11

<210> 89

<211> 12

<212> DNA

<213> chicken

<400> 89

gcagacacat cc 12

<210> 90

<211> 12

<212> DNA

<213> chicken

<400> 90

ggaatctcca cg 12

<210> 91

<211> 12

<212> DNA

<213> Bos sp.

<400> 91

acatacacgc aa 12

<210> 92

<211> 12

<212> DNA

<213> Canis sp.

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atatgcacgc aa 12